

partly guided by the influence of the monsoon. In regard to the serpent grove or religious shrine, a square plot just in the middle of the south-west portion is considered the most auspicious. A typical Nayar house is quadrangular, with an open space (*mittam*) in the centre; the western portion of it is the granary, while the rest of it is partitioned into rooms. The northern portion comprises the store-room and the kitchen at the western and the eastern extremities, with the dining room in the middle, while the western and eastern portions are kept as open halls for gatherings on important occasions. The house so constructed must face the rising sun—the east—and yet rather inconsistently it is called the *patinjattupura* or the western roof or building. The reason of this is that the *patinjattu muri*—the central chamber or the honoured guest chamber in the house, sanctuary of the ancestors of its occupants—must be so placed as to admit of entrance through its doorway the sun's earliest rays. Behind one or more of the rooms above mentioned is a *chaippu* forming a kind of enclosed verandah room. Another type most commonly met with consists of a portico serving as a reception-hall, the other portions of the building corresponding in details, more or less, with the quadrangular edifice just described. The rigid adherence to the science of architecture is confined not only to the Nayers and other high caste-men, but also to the generality of the Native Christians and Mahomedans who, before construction, always consult some expert in the choice of a proper site and the formation of a ground plan of the house. Misfortunes or even calamities are often attributed to the violation of these principles, and very often a newly built house is either altered to remedy the defects or even pulled down. There are again houses, where the two types are combined. The huts of the poor classes consist generally of one or two small, dark and ill-ventilated rooms with a kitchen at one end, and a verandah either in front or on all sides of the main building. With the increase of population, and with the demand for more houses, the old notions and *sattraic* injunctions are being overlooked as a matter of necessity, and the old fashioned houses are displaced by those erected on sound sanitary principles. The wood-work of the buildings is solid and substantial, and is in some cases beautifully carved. The walls are generally of laterite, brick or mud, and roofs which till

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FISHERIES

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Transport

5.46 The entire coastline of Kerala is well served by the railways. From Trivandrum to Kayankulam and from Tirur to Manjeswar, a total distance of 220 miles, the tracks are only two to three miles from the sea coast. In addition, there is a motorable road running almost all along the entire coastline. Head loads, bicycles, motor lorries, all these modes are employed for the transportation of fish to the markets depending on the distance of the landing sites from the consuming centres.

5.47 The State Fisheries Department operates four insulated vans. In addition, the Department operates two insulated carrier boats, one from Cochin and the other from Azhikode. These boats transport iced-fish through the inland waters to the interior places. For the marketing of fish in the interior areas, the Indo-Norwegian Project operates eight refrigerated vans.

5.48 It is estimated that the State will require about 60 road vehicles and 20 carrier vessels during the next 10 years. The capital expenditure on these is expected to be about Rs. 40 lakhs, of which Rs. 15 lakhs would be required during the Third Plan. The trucks and carrier vessels should, as far as possible, be owned and operated by Fishermen's Cooperative Societies. Expansion of insulated wagon facilities on the railways will be equally necessary. Insulated wagons should be provided on routes connecting the major production centres with the consumption centres.

Marketing

5.49 The marketing of fish in Kerala is not well organized. At present it is controlled by a few moneylenders and fish merchants. The fishermen are very poor and have generally to depend on borrowings during the off season. A departmental survey reveals that in 1958 the fishermen in Kerala had total assets of only about Rs. 30 lakhs against a total debt of Rs. 135 lakhs. Only a small percentage of the fishermen in Kerala own the boats and nets they use. Most of them work as employees under few boat-owner fishermen. In the pay-off period the boat-owner advances small amounts to the fishermen for their day-to-day needs. The catch is auctioned at the landing centres. The bidders include the fish curers, the retailers and lorry owners, who generally supply fish to the retailers.

5.50 Fish prices fluctuate considerably even in the course of the day. Fish is never weighed in the market. They are measured by standards such as heap, basket, and number, and these vary from market to market. The important wholesale fish markets in the State are located at Trivandrum, Kottayam, Tonur, Trichur, Kozhikode, Alwaye, Changanacherry and Athirumpuzha.

5.51 Changanacherry, Athirumpuzha and Vaniyankulam are the most important markets for cured and salted fish. In the coastal areas the consumption of dried fish is confined mostly to the off-season when fishing totally stops. In the interior of the State, owing to lack of transport facilities, cured fish is sold for the major part of the year. The State has a number of retail fish markets, every town or a group of villages having at least one.

5.52 Fish marketing in Kerala requires a great deal of improvement, both